

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-10. (canceled)

11. (new) Mechanism for transmission of axial and rotative movements between first and second offset axles, said mechanism comprising:

a first axle;

a second axle;

an axially movable assembly securing the first and second axles, the first and second axles being pivoted on said axially movable assembly;

a first pinion secured to the first axle;

a second pinion secured to the second axle; and

a reverser pivoted on said axially movable assembly kinematically connecting the first pinion to the second pinion,

wherein axial movement from the first axle is transmitted to the second axle.

12. (new) Mechanism for the transmission of axial and rotative movements between first and second offset axles, said mechanism comprising:

an axially movable assembly to which are secured the first and second axles, the first and second axles being pivoted on said axially movable assembly;

a first pinion secured to the first axle;

a second pinion secured to the second axle; and

one or an odd number of reverser(s) pivoted on said axially movable assembly for kinematically connecting the first pinion to the second pinion.

13. (new) Mechanism of claim 12, wherein,

the movable assembly comprises a front plate and a rear plate,

the front plate is parallel and secured to the rear plate, and

the first pinion, the second pinion, and the reverser are located between the front and rear plates.

14. (new) Mechanism according to claim 13, wherein,

the first pinion comprises a hub, and

a thickness of the hub occupies all of a distance separating the front and rear plates.

15. (new) Mechanism according to claim 13, wherein,

the second axle includes a portion of larger diameter, and

the second axle includes a groove located between the portion of larger diameter and the second pinion, the groove having a width corresponding to a thickness of the front plate.

16. (new) Mechanism according to claim 14, wherein,  
the second axle includes a portion of larger diameter,  
and

the second axle includes a groove located between the portion of larger diameter and the second pinion, the groove having a width corresponding to a thickness of the front plate.

17. (new) Mechanism according to claim 12, wherein,  
the movable assembly moves at least partially in an axial recess of a watch case.

18. (new) Mechanism according to claim 13, wherein,  
the front plate comprises an opening that opens on an upper portion of the front plate, and

the second axle is disposed and pivoted in the opening of the front plate.

19. (new) Mechanism according to claim 12, wherein,  
an angle is formed between the first and second axles,  
and

the first pinion, the second pinion, and the reverser are each conical gears.

20. (new) Mechanism according to claim 12, wherein,

one of the first and second axles is mounted to a manipulating member mounted on a watch case, and

another of the first and second axles is mounted to a timepiece movement disposed within the watch case.

21. (new) Mechanism according to claim 20, wherein, the manipulating member is a winding crown, and the mechanism is a winding and setting mechanism of a watch movement.

22. (new) Mechanism for transmission of axial and rotative movements between two portions of a stem with offset axles, said mechanism comprising:

a first stem portion;

a second stem portion;

an axially movable assembly securing the first and second stem portions, the first and second stem portions being pivoted on said axially movable assembly;

a first pinion carried by the first stem portion;

a second pinion carried by the second stem portion; and

an odd number, equal to at least one, of reversers pivoted on said axially movable assembly for kinematically connecting the first pinion to the second pinion, wherein,

the movable assembly comprises a front plate secured in parallel to a rear plate, and

the first pinion, the second pinion, and the reverser are located between the front and rear plates.

23. (new) Mechanism according to claim 22, wherein, the first pinion comprises a hub, and a thickness of the hub equals a distance separating the front and rear plates.

24. (new) Mechanism according to claim 22, wherein, the second stem portion includes a portion of larger diameter, and

the second stem portion includes a groove located between the portion of larger diameter and the second pinion, the groove having a width corresponding to a thickness of the front plate.

25. (new) Mechanism according to claim 23, wherein, the second stem portion includes a portion of larger diameter, and

the second stem portion includes a groove located between the portion of larger diameter and the second pinion, the groove having a width corresponding to a thickness of the front plate.

26. (new) Mechanism according to claim 22, wherein, the movable assembly moves at least partially in an axial recess of a watch case.

27. (new) Mechanism according to claim 22, wherein,

the front plate comprises an opening that opens on an upper portion of the front plate, and

the second stem portion is disposed and pivoted in the opening of the front plate.

28. (new) Mechanism according to claim 22, wherein, an angle is formed between the first and second stem portions, and

the first pinion, the second pinion, and the reverser are each conical gears.

29. (new) Mechanism according to claim 22, wherein, one of the first and second stem portions is mounted to a manipulating member mounted on a watch case, and

another of the first and second stem portions is mounted to a timepiece movement disposed within the watch case.

30. (new) Mechanism according to claim 29, wherein, the manipulating member is a winding crown, and the mechanism is a winding and setting mechanism of a watch movement.